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RMA Industry Report

CONFIDENTIAL

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

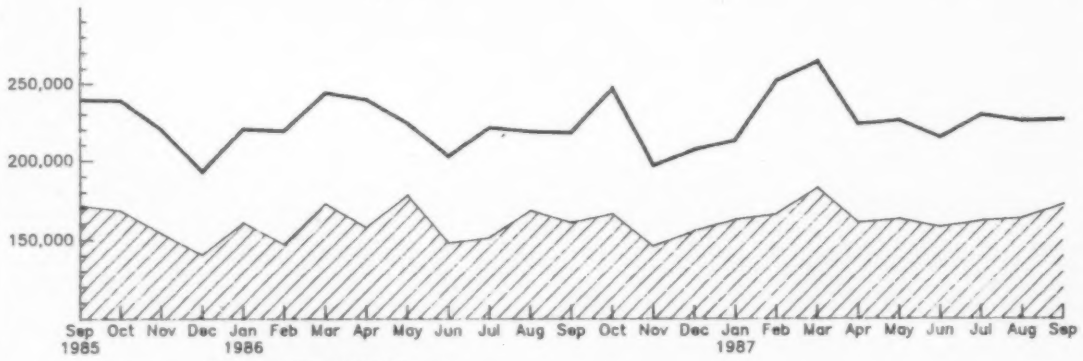
RUBBER CONSUMPTION
MONTHLY REPORT

RMA 2
SEPTEMBER 1987

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly analysis of production, imports, exports, stocks, and apparent consumption of both natural and synthetic rubber. The procedures used by Management Information Services (MIS) of RMA to compile the data are reviewed annually by the RMA Rubber Statistical Committee which is made up of rubber industry representatives. The categories were selected to conform with the Standard Industrial Classifications (SIC) codes assigned by the the United States Department of Commerce, Bureau of the Census and are so annotated.

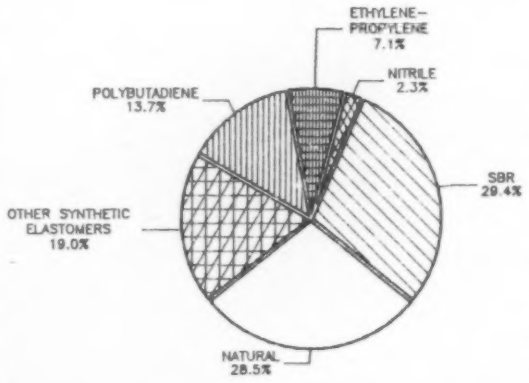
Total consumption for September 1987 is up +3.8% from September 1986, and synthetic consumption is up +7.2%. Please note that 1986 Natural Rubber Apparent Consumption figures include INRO Stocks of 2,392 metric tons for the year. 71.5% of all rubber consumed in 1986 was synthetic, of which almost half was SBR, as shown in the charts below.

MONTHLY TOTAL RUBBER CONSUMPTION — NATURAL & SYNTHETIC



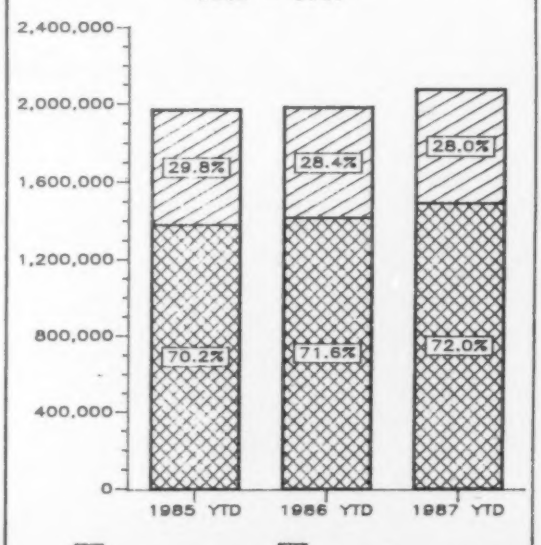
NOTE: NATURAL RUBBER CONSUMPTION IS THE VERTICAL DISTANCE BETWEEN THE CURVES
(Figures in Metric Tons)

1986 RUBBER CONSUMPTION BY TYPE



NOTE: POLYCHLOROPRENE INCLUDED IN OTHER CATEGORY

YTD CONSUMPTION OF NEW RUBBER 1985 — 1987



(Figures in Metric Tons)

RMA # 2

RMA INDUSTRY RUBBER REPORT
(FIGURES ARE EXPRESSED IN METRIC TONS)

ISSUED - DATE: 11/23/87

MONTH: September 1987

U.S. SIC CODE		September 1987	September 1986	% CHANGE YEARLY	August 1987	% CHANGE MONTHLY	CUMULATIVE 1987	CUMULATIVE 1986	% CHANGE 87 vs 86
	TOTAL NEW RUBBER								
	Beginning Stocks	317,268	321,783	-1.40	334,915	-5.27			
	New Rubber Available	256,329	262,789	-2.46	247,473	3.58	2,436,476	2,283,372	6.71
	Imports	80,285	84,202	-4.65	83,328	-3.65	823,123	777,548	5.86
	Exports	46,236	38,900	18.86	39,863	15.99	376,270	291,128	29.25
	Apparent Consumption	225,895	217,621	3.80	224,970	.41	2,071,027	1,977,508	4.73
	Ending Stocks	301,466	328,051	-8.10	317,555	-5.07			
	TOTAL NATURAL RUBBER								
	Beginning Stocks	77,007	86,764	-11.25	82,473	-6.63			
08490 11	Imports	59,268	64,061	-7.48	58,857	.70	610,952	585,127	4.41
+	Exports	3,870	2,221	74.25	2,916	32.72	27,153	28,158	-3.57
08490 13	Stock Pile Deliveries								
	Apparent Consumption	53,702	57,036	-5.85	61,406	-12.55	580,284	561,274	3.39
	% Total New Rubber	23.77	26.20		27.29		28.01	28.38	
	Ending Stocks	78,703	91,568	-14.05	77,008	2.20			
08490 11	NATURAL RUBBER DRY								
	Beginning Stocks	70,450	81,551	-13.61	76,529	-7.94			
	Imports	51,166	58,997	-13.27	52,478	-2.50	556,014	531,232	4.67
	Exports	3,149	1,320	138.56	2,316	35.97	19,893	22,360	-11.03
	Stock Pile Deliveries								
	Apparent Consumption	46,077	53,630	-14.08	56,241	-18.07	531,895	514,122	3.46
	Ending Stocks	72,390	85,598	-15.43	70,450	2.75			
08490 13	NATURAL RUBBER LATEX								
	Beginning Stocks	6,558	5,214	25.78	5,944	10.33			
	Imports	8,102	5,064	59.99	6,379	27.01	54,938	53,895	1.94
	Exports	721	901	-19.98	600	20.17	7,260	5,798	25.22
	Stock Pile Deliveries								
	Apparent Consumption	7,626	3,407	123.83	5,165	47.65	48,389	47,152	2.62
	Ending Stocks	6,313	5,970	5.75	6,558	-3.74			
	TOTAL SYNTHETIC RUBBER								
	Beginning Stocks	240,260	235,018	2.23	252,442	-4.83			
	Production	176.044	178,587	-1.42	164,145	7.25	1,613,353	1,505,824	7.14
	Imports	21,017	20,141	4.35	24,471	-14.11	212,171	192,421	10.26
	Exports	42,366	36,679	15.50	36,947	14.67	349,117	262,970	32.76
	Apparent Consumption	172,192	160,584	7.23	163,564	5.27	1,490,742	1,416,234	5.26
	% Total New Rubber	76.22	73.79		72.70		71.98	71.61	
	Ending Stocks	222,763	236,483	-5.80	240,547	-7.39			
	TOTAL SBR								
	Beginning Stocks	99,912	94,536	5.69	100,978	-1.06			
28220 11 +	Production	67,827	67,587	.36	69,251	-2.06	626,974	575,349	8.97
28220 12	Imports	6,515	6,970	-6.53	6,644	-1.94	60,970	75,027	-18.74
	Exports	17,073	13,357	27.82	12,219	39.73	128,998	76,762	68.05
	Apparent Consumption	67,653	66,002	2.50	64,742	4.50	571,549	581,263	-1.67
	Ending Stocks	89,528	89,734	-.23	99,912	-10.39			
28220 11	SBR Dry								
	Beginning Stocks	95,235	90,028	5.78	95,547	-.33			
	Production	63,555	64,267	-1.11	65,375	-2.78	593,620	544,382	9.04
	Imports	4,835	4,818	.35	4,468	8.21	40,448	54,725	-26.09
	Exports	15,006	11,294	32.87	9,541	- 57.28	108,282	59,792	81.10
	Apparent Consumption	63,972	62,109	3.00	60,614	5.54	538,787	547,072	-1.51
	Ending Stocks	84,647	85,710	-1.24	95,235	-11.12			
28220 12	SBR LATEX								
	Beginning Stocks	4,677	4,507	3.77	5,430	-13.87			
	Production	4,272	3,319	28.71	3,876	10.22	33,354	30,967	7.71
	Imports	1,680	2,152	-21.93	2,176	-22.79	20,522	20,302	1.08
	Exports	2,067	2,063	.19	2,678	-22.82	20,716	16,970	22.07
	Apparent Consumption	3,681	3,891	-5.40	4,127	-10.81	32,762	34,191	-4.18
	Ending Stocks	4,881	4,024	21.30	4,677	4.36			

MONTH: September 1987

U.S. SIC CODE		September 1987	September 1986	% CHANGE YEARLY	August 1987	% CHANGE MONTHLY	CUMULATIVE 1987	CUMULATIVE 1986	% CHANGE 87 vs 86
	TOTAL NITRILE								
	Beginning Stocks	13,147	14,000	-6.09	14,531	-9.52			
28220 41 +	Production	7,108	4,788	48.45	3,719	91.13	50,932	45,735	11.36
28220 42	Imports	1,332	1,066	24.95	1,767	-24.62	11,610	9,173	26.57
	Exports	903	1,168	-22.69	1,083	-16.62	9,947	8,968	10.92
	Apparent Consumption	6,311	5,466	15.46	5,787	9.05	50,244	46,444	8.18
	Ending Stocks	14,373	13,220	8.72	13,147	9.33			
28220 50	POLYBUTADIENE								
	Beginning Stocks	35,611	43,441	-18.02	40,220	-11.46			
	Production	31,241	31,840	-1.88	23,553	32.64	272,122	262,085	3.83
	Imports	4,423	5,423	-18.44	6,139	-27.95	62,166	41,703	49.07
	Exports	5,218	1,448	260.36	4,236	23.18	47,185	15,564	203.17
	Apparent Consumption	33,911	34,013	-.30	30,065	12.79	292,562	271,802	7.64
	Ending Stocks	32,146	45,243	-28.95	35,611	-9.73			
28220 57	ETHYLENE-PROPYLENE								
	Beginning Stocks	51,056	47,572	7.32	53,196	-4.02			
	Production	20,682	19,337	6.96	18,375	12.56	188,402	177,458	6.17
	Imports	603	449	34.30	428	40.89	4,617	3,521	31.13
	Exports	3,900	3,174	22.87	3,611	8.00	35,052	34,281	2.25
	Apparent Consumption	18,768	14,811	26.72	17,332	8.29	153,960	140,941	9.24
	Ending Stocks	49,673	49,373	.61	51,056	-2.71			
	BUTYL, POLYISOPRENE, POLYCHLOROPRENE, SILICONE AND OTHER SYNTHETIC ELASTOMERS								
28220 45 +	Beginning Stocks	40,534	35,469	14.28	43,519	-6.86			
28220 60 +	Production	49,186	55,035	-10.63	49,247	-.12	474,922	445,198	6.68
28220 72	Imports	8,144	6,233	30.66	9,493	-14.21	72,808	62,997	15.57
	Exports	15,272	17,532	-12.89	15,798	-3.33	127,935	127,395	.42
	Apparent Consumption	45,549	40,293	13.04	45,640	-.20	422,426	375,785	12.41
	Ending Stocks	37,043	38,912	-4.80	40,821	-9.26			
Included in 28220 45	Butyl								
	Imports	4,982	3,562	39.87	6,199	-19.63	36,871	41,197	-10.50
	Exports						210		
Included in 28220 45	Polyisoprene								
	Imports	599	730	-17.95	436	37.39	8,903	3,419	160.40
	Exports	485	499	-2.81	689	-29.61	5,698	3,442	65.54
Included in 28220 45	Polychloroprene								
	Imports	547	538	1.67	351	55.84	5,520	3,730	47.99
	Exports	3,390	4,990	-32.06	4,150	-18.31	34,380	36,775	-6.51
	IMPORTS OF								
	GUTTA BALATA				54	-100.00	54		400.00
	GUTTA PARCHA	1,775	538	229.93	919	93.14	13,852	4,156	233.30
	JELUTONG	117	40	192.50	121	-3.31	1,107	1,024	8.11

* Natural Rubber Apparent Consumption figures include INRO Stocks, For your purposes:

Latest INRO STOCK figures available to RMA indicate 2,392 as of June .

RUBBER MANUFACTURERS ASSOCIATION INDUSTRY RUBBER REPORT

This report relies upon a panel composed of approximately seventy-five (75) companies. The monthly consumption data reported by these companies is combined with data from the RMA 7 "Synthetic Rubber Producers Report", RMA 200 "Importers Shipments of Natural Rubber Latex Report", and RMA 201 "Natural Rubber Dealers Shipments Report". It is the feeling of the RMA Rubber Statistical Committee that this manner of data collection represents a valid sampling for statistical purposes.

The report presents the following categories for selected rubber types:

BEGINNING STOCKS: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the US Government's MA30A annual report. Beginning stock figures may differ from prior month closing stocks due to inventory adjustments.

PRODUCTION: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the US Government's MA30A annual report.

IMPORTS: RMA import figures are based upon Tariff Schedules of the United States Annotated (TSUSA) numbers:

Natural Rubber Dry data monitored by RMA are TSUSA Numbers: 446.0544, 446.0548, 446.0552, 446.0556, 446.0560, 446.0564, 446.0568, 446.0572, 446.0576, 446.0580 and 446.0584. The Natural Rubber Latex TSUSA Number monitored by RMA is 446.0540 with Gutta balata, Gutta-percha, and Jelutong or pontianak derived from TSUSA Numbers 446.0510, 446.0520 and 446.0530.

RMA natural rubber import numbers do not contain TSUSA Numbers: 446.1000 (Natural rubber containing filler, etc.) and 446.1200 (Chlorinated natural rubber).

Synthetic Rubber TSUSA Numbers monitored by RMA are: 446.1539, 446.1571, 446.1576 and 446.1597 (SBR Dry); 446.1535 (SBR Latex); 446.1516 (Polybutadiene); 446.1506 (Butyl); 446.1511 (Nitrile); 446.1531 (Polyisoprene); 446.1526 (Ethylene-propylene); 446.1521 (Polychloroprene); and 446.1533 and 446.1557 (Elastomers).

RMA synthetic rubber import numbers do not contain the following TSUSA Numbers: 446.1544 (Styrene-butadiene containing over 50% styrene); 446.1580 (Silicone); 446.2000 (Reclaimed rubber of all kinds); and 446.3000 (Mixtures of any of the foregoing).

EXPORTS: RMA export figures are based upon the following United States Schedule B Numbers:

Natural Rubber (Dry) export number is 446.0515 and 446.0505 for Natural Rubber (Latex). RMA natural rubber export numbers do not contain Schedule B Numbers 446.1000 and 446.1200.

Synthetic rubber export Schedule B Numbers monitored by RMA are as follows: 446.1541, 446.1571, and 446.1576 (SBR Dry); 446.1536 (SBR Latex); 446.1516 (Polybutadiene); 446.1506 (Butyl); 446.1511 (Nitrile); 446.1531 (Polyisoprene); 446.1526 (Ethylene-propylene); 446.1521 (Polychloroprene); and 446.1547 and 446.1561 (Elastomers).

RMA synthetic rubber export numbers do not contain Schedule B Numbers 446.2000 (Reclaimed) and 446.3000 (Mixtures).

APPARENT CONSUMPTION: Figures are calculated by RMA by adding Beginning Stocks to Production and Imports, and subtracting Exports and Ending Stocks. The consumption figures for natural rubber contains International Natural Rubber Organization (INRO) stock purchases, since the amounts are not disclosed for ninety (90) days. The latest available stock figure is presented for your use should you wish to subtract it from the apparent consumption figure shown.

ENDING STOCKS: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the US Government's MA30A annual report.

This report is available on a subscription basis, and it can not be reproduced without prior consent of the Rubber Manufacturers Association. Any questions regarding items on this report should be directed to Management Information Services of RMA; 1400 K Street NW; Washington, D.C. 20005; Telephone: (202)-682-4860.